

<p align="center"><b>COMBINED</b></p> <p align="center"><b>DECLARATION FOR UTILITY OR DESIGN</b></p> <p align="center"><b>PATENT APPLICATION (37 CFR 1.63)</b></p> <p align="center"><b>AND POWER OF ATTORNEY</b></p> <p><input checked="" type="checkbox"/> Declaration Submitted with Initial Filing      OR      <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required)</p>	Attorney Docket Number <u>9-13528-76US</u>
	First Named Inventor <u>Dan. V. Gorcea</u>
	<i>Complete if known</i>
	Application Number _____
	Filing Date _____
	Group Art Unit _____
	Examiner Name _____

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**DIRECTIONAL RECEIVER COUPLING ARRANGEMENT WITH FREQUENCY SELECTIVITY AND GAIN CONTROL FOR DSL**

the specification of which

☒ is attached hereto.

OR

☐ was filed on \_\_\_\_\_  
(mm/dd/yyyy)

as United States Application Number or PCT International Application Number \_\_\_\_\_

and was amended on \_\_\_\_\_ (if applicable).  
(mm/dd/yyyy)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.
60/155,733	September 23, 1999	

**COMBINED DECLARATION FOR UTILITY OR DESIGN  
PATENT APPLICATION (37 CFR 1.63) AND POWER OF ATTORNEY**

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT International application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent Trademark Office connected therewith:

☒ Customer Number: **20988**



**20988**

PATENT TRADEMARK OFFICE

**STEVEN B. PHILLIPS** (Reg. No. 37,911), **THOMAS A. GIGLIOTTI** (Reg. No. 37,579), and **ERIC P. JENSEN** (Reg. No. 37,647).

Direct all correspondence to:



**20988**

PATENT TRADEMARK OFFICE

or Bar Code Label

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Name of sole or First Inventor:**

☐ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any))

Family Name or Surname

**Dan V.**

**GORCEA**

Inventor's Signature

*Dan V. Gorcea*

Date **DEC 16 / 1999**

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or State

**Ontario**

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Or Zip

**K2M 2K5**

Country

**Canada**

☒ Additional inventors are being named on the supplemental Additional Inventor(s) PTO/SB/02A attached hereto.

**DECLARATION**

**ADDITIONAL INVENTOR(S)**  
**Supplemental Sheet**  
**Page 1 of 1**

**Name of Additional Joint Inventor, if any:**☐ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any))

Family Name or Surname

Robert M.Thomas

Inventor's Signature

Robert M. Thomas

Date

Dec. 16/99

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Or ZipK2J 1J2

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Given Name (first and middle (if any))

Family Name or Surname

Inventor's Signature

Date

Residence:

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State

Country

Citizenship

Post Office Address

City

Province  
or StatePostal Code  
Or Zip

Country

**Name of Additional Joint Inventor, if any:**☐ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any))

Family Name or Surname

Inventor's Signature

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Residence:

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Citizenship

Post Office Address

City

Province  
or StatePostal Code  
Or Zip

Country

☐ Additional inventors are being named on this supplemental Additional Inventor(s) PTO/SB/02A attached hereto.

PATENT/DOCKET NO. \_\_\_\_\_  
CUSTOMER NO. 020988

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Dan Gorcea et al.	§	Attorney Docket No. 9-13528-76US-1
	§	
Serial No.: n/a	§	
	§	
Filed: Herewith	§	Group Art Unit: n/a
	§	
Title: Directional Receiver Coupling	§	Examiner: n/a
Arrangement with Frequency	§	
Selectivity and Gain Control for DSL	§	

Commissioner for Patents  
Washington, D.C. 20231

POWER OF ATTORNEY FOR  
PATENT APPLICATION

Nortel Networks Limited, a Canadian corporation having principal offices at:

**Nortel Networks Limited**  
**2351 Boulevard Alfred-Nobel**  
**St. Laurent, Quebec H4S 2A9, Canada**

the owner by assignment of the entire right, title and interest to the invention for *DIRECTIONAL RECEIVER COUPLING ARRANGEMENT WITH FREQUENCY SELECTIVITY AND GAIN CONTROL FOR DSL*, by *Dan V. GORCEA and Robert M. Thomas*, and in and to the application for patent and any Letters Patent, whether domestic or foreign, that may issue thereon, by virtue of the assignment (check as applicable):

☒ Recorded Concurrently Herewith  
☐ Recorded on \_\_\_\_\_  
☐ Recorded at Reel \_\_\_\_\_ Frame \_\_\_\_\_  
☐ Copy Attached

hereby appoints the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

**Ogilvy Renault**  
1981 McGill College Avenue  
Suite 1600  
Montreal, Quebec  
Canada H3A 2Y3

(Customer No. 20988)

its attorneys with full power of substitution and revocation, to prosecute all domestic and foreign patent applications, including PCT and EPO filings, relating to said invention and to transact all business connected therewith, including signing of all papers on its behalf and making alterations and amendments.

The undersigned is the representative for the Assignee of the entire right, title, and interest in the patent application identified above, and is authorized to act on behalf of the Assignee.

December 16, 2003

Date

NORTEL NETWORKS LIMITED

Name: 

Senior Council IP

Title: